

Jacksonville , Florida Ozone Maintenance Plan
Effective Redesignation Date:3/6/95 (60 FR 41, 1/3/95)

Background of the Plan: On November 15, 1990, the Clean Air Act Amendments of 1990 were enacted (1990 amendments). The nonattainment designation of Duval County was continued by operation of law pursuant to 107(d)(1)(C)(i) of the 1990 Amendments. Furthermore, it was classified as transitional for ozone according to section 181(a)(1). Duval County had ambient monitoring data that showed no violations of the ozone NAAQS, during the period 1987 through 1993. In addition, there had been no exceedances reported for the 1994 ozone season. Therefore, in an effort to comply with the 1990 Amendments and to ensure continued attainment of the NAAQS, Florida submitted an ozone maintenance State Implementation Plan for the Duval County area on June 23, 1993, and a supplemental revision on August 23, 1994. Florida also requested redesignation of the area to attainment with respect to the ozone NAAQS. Subsequent SIP revisions were approved by EPA (see Federal Register section).

Summary of the Plan: On June 23, 1993, the State of Florida, through the Florida Department of Environmental Protection (FDEP), submitted a maintenance plan and a request to redesignate the Duval County area from transitional nonattainment to attainment for ozone. The ozone nonattainment area consists only of Duval County. Under the CAA, designations can be revised if sufficient data are available to warrant such revisions. In this action, EPA approved Florida's request to because it met the maintenance plan and redesignation requirements set forth in the CAA and EPA approved the the 1990 base year emissions inventory. The approved maintenance plan became a federally enforceable part of the State Implementation Plan (SIP) for the Duval County nonattainment area. Projections showed that the VOC emissions were expected to decrease 16.5% from the level of the base year inventory during this time period. The NO_x emissions were expected to increase by 7.5 % from the level of the base year, but the total precursors ozone decreases by 21.72 tons or 5.3%.

Control Measures:

- VOC RACT
- Federal Motor Vehicle Control Program (FMVCP)
- Reid Vapor Pressure (RVP)

Contingency Measures: In the case of a violation of the ozone NAAQS, the plan contained a contingency to implement additional control measures such as reinstatement of NSR, less volatile or reformulated gasoline, NO_x Reasonable Available Control Technology (RACT), Stage II Vapor recovery, expansion of control strategies to adjacent counties for VOC and/or NO_x and two new control technique guidelines (CTG) categories, and an enhanced vehicle emissions inspection program.

Motor Vehicle Emissions Budget (MVEB): The MVEB are defined for the county, for 2005 and 2015, in the State's submittal. The values for both years, are equal to the 2005 on-road mobile source projected level of emissions plus a buffer of 24 percent. EPA approved revisions to the Jacksonville maintenance plan on July 22, 2003 (68 FR 43312) MVEB are as follows:

MVEB	2005	2015
VOC	41.6	41.6
NOx	68.8	68.8

Emission Reductions: On November 16, 1992, the State of Florida submitted comprehensive inventories of VOC, NOx, and CO emissions from the Duval County area. The inventories included biogenic, area, stationary, and mobile sources using 1990 as the base year for calculations to demonstrate maintenance. The projections showed that VOC emissions are expected to decrease 36.12 tons or 16.5% from the level of the base year inventory during this time period. The NOx emissions did show a slight increase of 14.39 tons or 7.5% from 1990 to 2005, but the total precursors of ozone decrease from 411.5 tons to 389.77 tons for a reduction by 21.73 tons or 5.3%.

Federal Register:

01/03/95	<u>60 FR Page 41</u>	Duval County O3 Redesignation
08/02/01	<u>66 FR Page 40137</u>	Duval County & SE Florida Maintenance Plan Revision
04/24/03	<u>68 FR Page 20072</u>	Duval County Maintenance Plan Revision for MVEB

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